## INTERNATIONAL SEARCH REPORT

International application No. PCT/JP2004/018367

		101/012	001/01030/		
A. CLASSIFICATION OF SUBJECT MATTER Int.Cl <sup>7</sup> C22C5/06, G11B7/24					
According to International Patent Classification (IPC) or to both national classification and IPC					
B. FIELDS SEARCHED					
Minimum docun	nentation searched (classification system followed by classification syste	assification symbols) 35			
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Jitsuyo Shinan Koho 1922-1996 Jitsuyo Shinan Toroku Koho 1996-2005 Kokai Jitsuyo Shinan Koho 1971-2005 Toroku Jitsuyo Shinan Koho 1994-2005					
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)					
C. DOCUMEN	NTS CONSIDERED TO BE RELEVANT				
Category*	Citation of document, with indication, where ap		Relevant to claim No.		
X A	JP 2002-226927 A (Hitachi Me 14 August, 2002 (14.08.02), Claims; Par. Nos. [0023] to [ (Family: none)	İ	1-3,6-11 4		
х	JP 2002-323611 A (Kobe Steel 08 November, 2002 (08.11.02), Claims; Par. Nos. [0038] to [ & US 2003-143342 Al		1-3,6-7,9-11		
х	JP 2003-155561 A (Mitsubishi 30 May, 2003 (30.05.03), Claims; Par. No. [0006] (Family: none)	Materials Corp.),	1-3,7-11		
× Further documents are listed in the continuation of Box C.		See patent family annex.			
"A" document defining the general state of the art which is not considered		"T" later document published after the inter date and not in conflict with the applica the principle or theory underlying the in	tion but cited to understand		
"E" earlier application or patent but published on or after the international filing date		"X" document of particular relevance; the cl considered novel or cannot be considered.			
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other consideration of the control of t		step when the document is taken alone "Y" document of particular relevance; the cl			
special reason (as specified)  "O"  document referring to an oral disclosure, use, exhibition or other means		considered to involve an inventive a combined with one or more other such or being obvious to a person skilled in the	documents, such combination		
"P" document published prior to the international filing date but later than the priority date claimed "&" document member of the same patent family					
Date of the actual completion of the international search  Date of mailing of the international search report					
12 January, 2005 (12.01.05) 01 February, 2005 (01.02.05)					
		Authorized officer			
Japanese Patent Office					
Facsimile No.		Telephone No.			

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International application No.
PCT/JP2004/018367

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT				
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.		
X	JP 2003-279715 A (Hitachi Metals, Ltd.), 02 October, 2003 (02.10.03), Claims & US 2003-180177 A1	1,3,6-7,9-11		
X	JP 3365762 B2 (Kobe Steel, Ltd.), 01 November, 2002 (01.11.02), Claims; Par. No. [0050] 6 US 2002-150772 A1	1,3,5-11		
P, X	JP 2004-131747 A (Sumitomo Metal Mining Co., Ltd.), 30 April, 2004 (30.04.04), Claims; Par. No. [0031] (Family: none)	1,3,5-11		

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